

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method comprising:

predetermining content of a data stream prior to receiving a request for the data stream;

~~receiving a request for a data stream from a client;~~

~~sampling the data stream;~~

generating ~~one or more~~ fingerprint blocks ~~for one or more sampled portions of the~~ based on the predetermined content of the data stream;

transmitting the ~~one or more~~ fingerprint blocks ~~to the client~~ via a first connection prior to receiving the request; and

receiving the request for the data stream; and

transmitting the data stream in response to the request on-demand to the client via a second connection, wherein the ~~on-demand~~ transmitting of the data stream includes simultaneous transmission or delayed transmission according to a demand.
2. (Original) The method of claim 1, further comprising sending to the client parameters for sampling portions of the data stream according to sampling parameters.
3. (Original) The method of claim 1, wherein generating ~~one or more~~ fingerprint blocks comprises generating cyclic redundancy check (CRC) values for the ~~one or more~~ sampled portions of the data stream.

Claims 4-18 (Cancelled)

19. (Previously Presented) A client system comprising:
- a processor or a storage medium; and
- a memory coupled to said processor having stored therein a set of instructions to cause said processor to: a processor coupled to the storage medium, the processor to:
- predetermine content of a data stream prior to receiving a request for the data stream;
- generating the receive a first set of fingerprint blocks from the server via a first connection based on the predetermined content,
- transmitting the fingerprint blocks via a first connection prior to receiving the request;
- receiving the request for the data stream; and
- receive transmitting the data stream on demand at the client via a second connection, wherein the on demand receiving transmitting of the data stream includes simultaneous reception or delayed reception according to a demand,
- sample the data stream at the client,
- generate a second set of fingerprint blocks for one or more sampled portions of the data stream at the client, and
- compare the second set of fingerprint blocks to the first set of fingerprint blocks.

20. (Previously Presented) The client system of claim 19, wherein the first connection comprises an out-of-band connection, and the second connection comprises a primary data connection.
21. (Previously Presented) The client of claim 19, wherein ~~the set of instructions comprises instructions to cause the processor is further to communicate an error message to the server if the-a second set of fingerprint blocks generated at the client does not match the-a first set of fingerprint blocks generated at the server.~~
22. (Previously Presented) The client of claim ~~19~~ 21, wherein ~~the set of instructions comprises instructions to cause the processor is further to communicate a valid status message to the server if the second set of fingerprint blocks generated at the client match the first set of fingerprint blocks generated at the server.~~

Claims 23–27 (Cancelled)

28. (Previously Presented) ~~A~~ An article of manufacture comprising a machine readable medium having stored thereon data representing sets of instructions which, when executed by a machine, cause the cause a machine to:
predetermine content of a data stream prior to receiving a request for the data stream;
~~receive a request for a data stream from a client;~~
~~sample the data stream;~~

~~generating generate one or more fingerprint blocks for one or more sampled portions of the data stream based on the predetermined content; transmit the one or more fingerprint blocks to the client via a first connection prior to receiving the request; and receiving the request for the data stream; and transmit the data stream on-demand to the client via a second connection, wherein the on-demand transmitting of the data stream includes simultaneous transmission delayed transmission according to a demand.~~

29. (Previously Presented) The machine readable medium of claim 28, wherein the sets of instructions ~~when executed by the machine, further cause causing the~~ machine to generate ~~one or more~~ fingerprint blocks ~~by further cause the machine to~~ ~~to generating generate~~ cyclic redundancy check (CRC) values for ~~the one or more~~ sampled portions of the data stream.
30. (Previously Presented) The machine readable medium of claim-~~28~~~~29~~, wherein the sets of instructions ~~when executed by the machine, further cause the machine to send to the client parameters for sampling sampled portions are sampled via sampling parameters for sampling portions of the data stream.~~